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OUR SPEAKERS







Safety in our operations

- Designed and implemented action plan prioritising the commitment to safety in our operations
- + COP 88 B in social invesment commitments to humanitarian aid to support the pandemic
- New Cultural Declaration launched
- Innovation and technology in our core
 - **+ 5,000** average daily recurring connections
 - + 8,000 daily virtual meetings

Profitable growth

- Focus on reserves protection
 - Strengthened our gas strategy
 - o EBITDA Margin in excess of 50% in 2020
 - Shell –strategic partner in the Colombian Offshore
- Progress in unconventional reservoirs
 - Awarded Kalé, first CEPI Project
 - Permian contributed 5.2 mboed in 2020
- Intensified focus on cost efficiency
 - Savings of ~ COP 0.7 T in 2020

TESG

- Updated renewable energy's capacity target to 400 MW by 2023
- Started construction of 59 MW San Fernando Solar Park-
- Delivered cleaner fuels, gasoline with <50 ppm
- Increased alliances for Digital Transformation

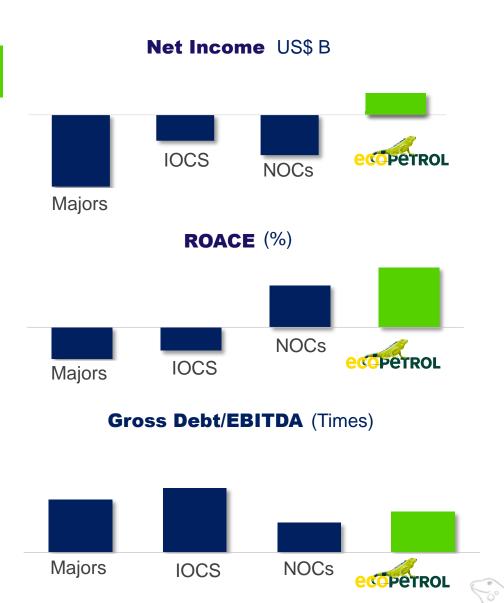






Ecopetrol continues to deliver superior results

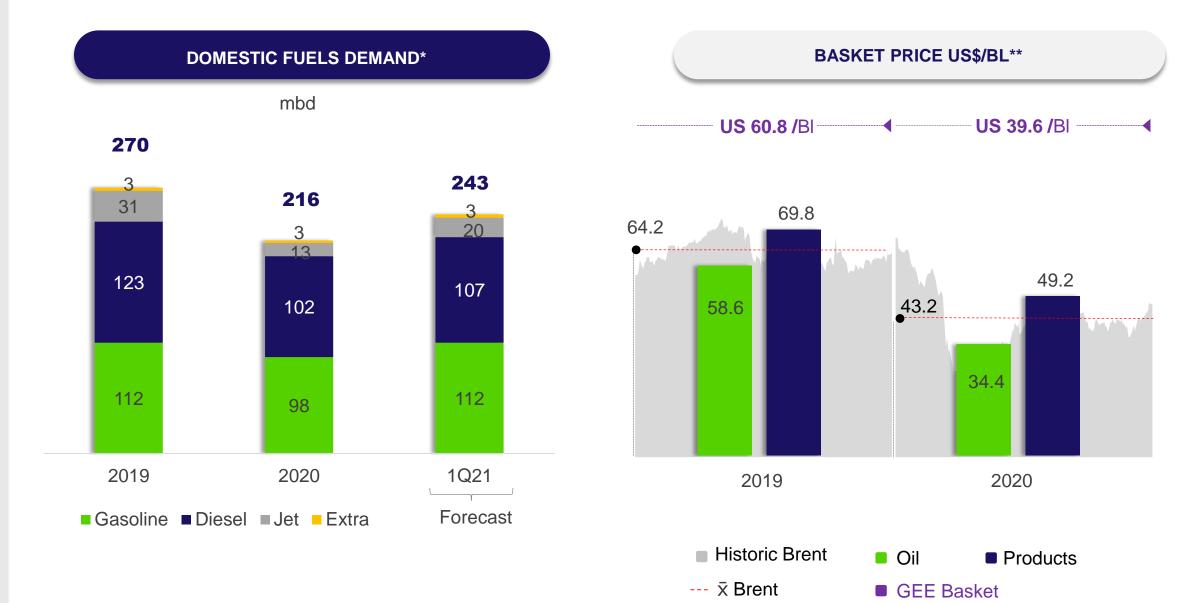
METRICS	2020 TARGET	2020 REAL
Capex (US\$ M)	US\$2,500 - US\$3,000	US\$2,674
Operating cash flow generation	~US\$ 1,900 M	US \$ 2,500
Cash breakeven*	< US\$30 /BI	US\$ 32.7 /BI
Gross debt/EBITDA	<3.5x	2.8x
Production (mboed)	~700	697
Throughput (mbd)	300-320	320
Exploratory wells	17	18
Transported volume (mbd)	~1,000	1,017



Majors: Exxon, Total, Shell, Chevron, BP. IOCs: Hess, Repsol, ConocoPhillips. NOCs: Equinor, PTTEP, ENI

^{*} Calculated as the Brent price variation that results in a minimum year end cash balance, as defined by Ecopetrol after operating cash generation, capex, dividends and financing.

We faced an unprecedented price and demand contraction





Reliable operations that adapted to circumstances

Exploration

WELLS 18 drilled in 2020 vs. target of 17

INCREASE OF

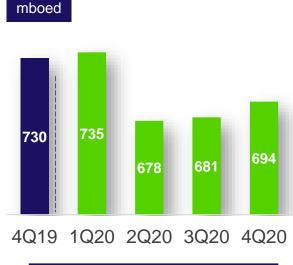
47%

in cumulative production vs. 2019

RESERVES
42 mmboe

Andina field y Esox
(Gulf of Mexico)

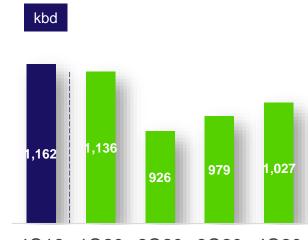
Production





AS EBITDA Margin >50% in 2020 17% of annual production

Midstream

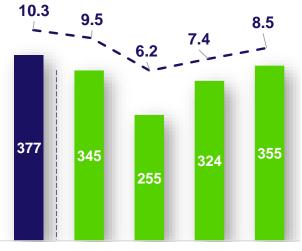






Downstream



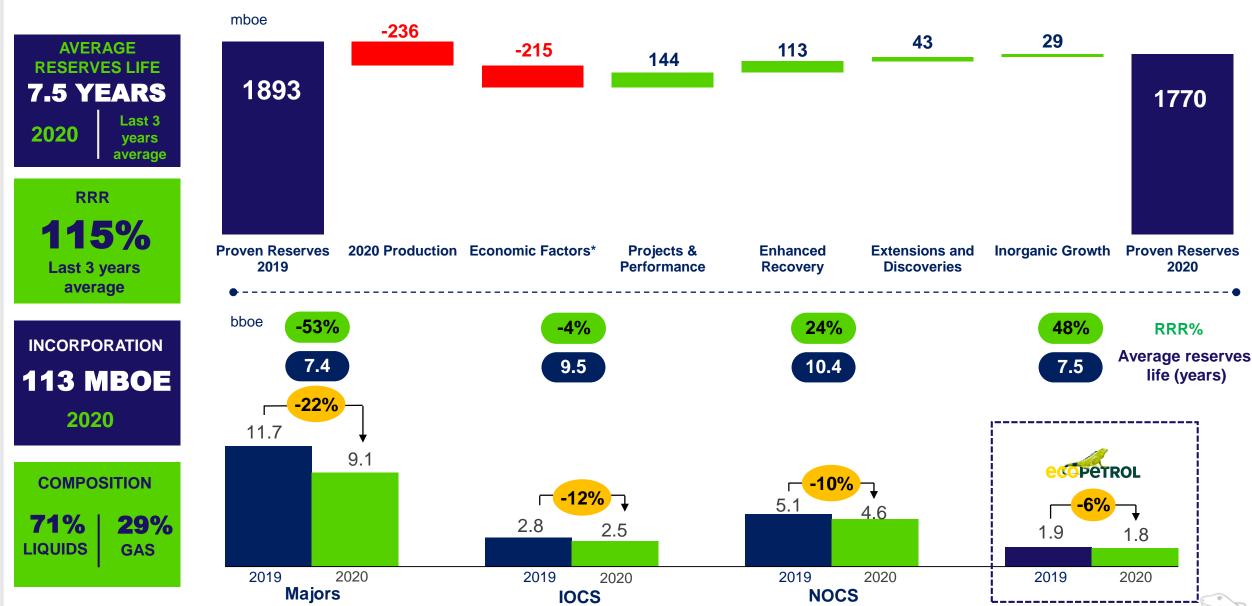


4Q19 1Q20 2Q20 3Q20 4Q20





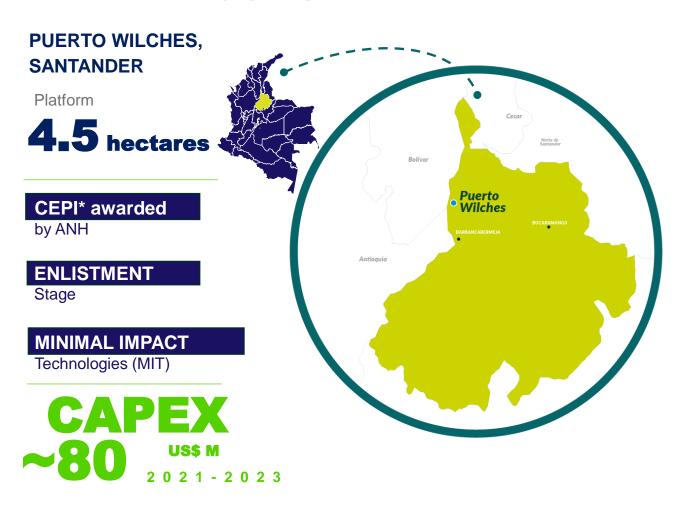
Increasing resilience of our reserves portfolio



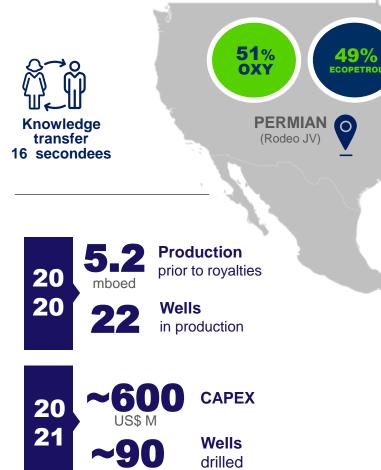
^{*}Economic factors include Price effect and reevaluated projects.

We continue to make progress in unconventional reservoirs

KALÉ PROJECT



PERMIAN

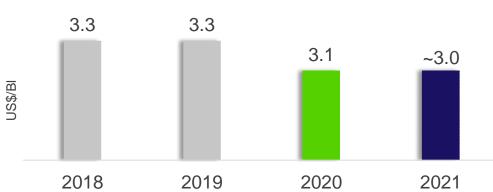


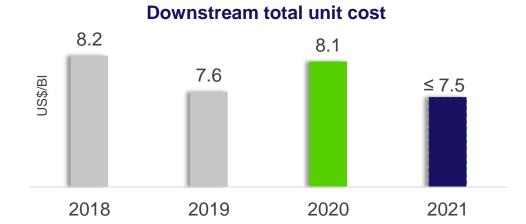
Competitive costs adjusted to activity level





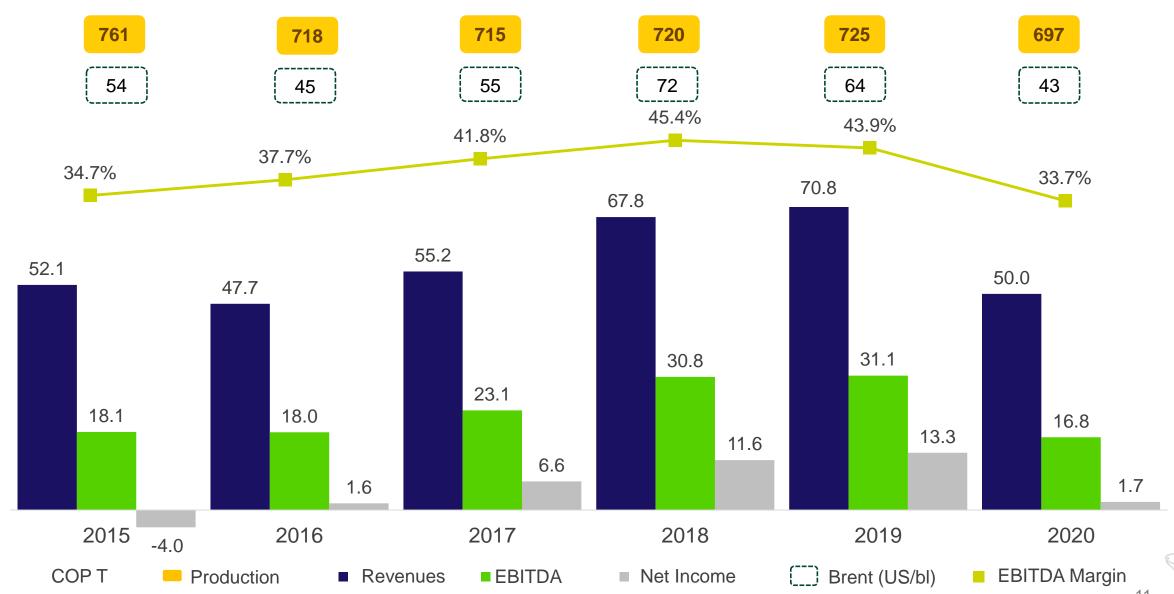
Transportation cost per barrel



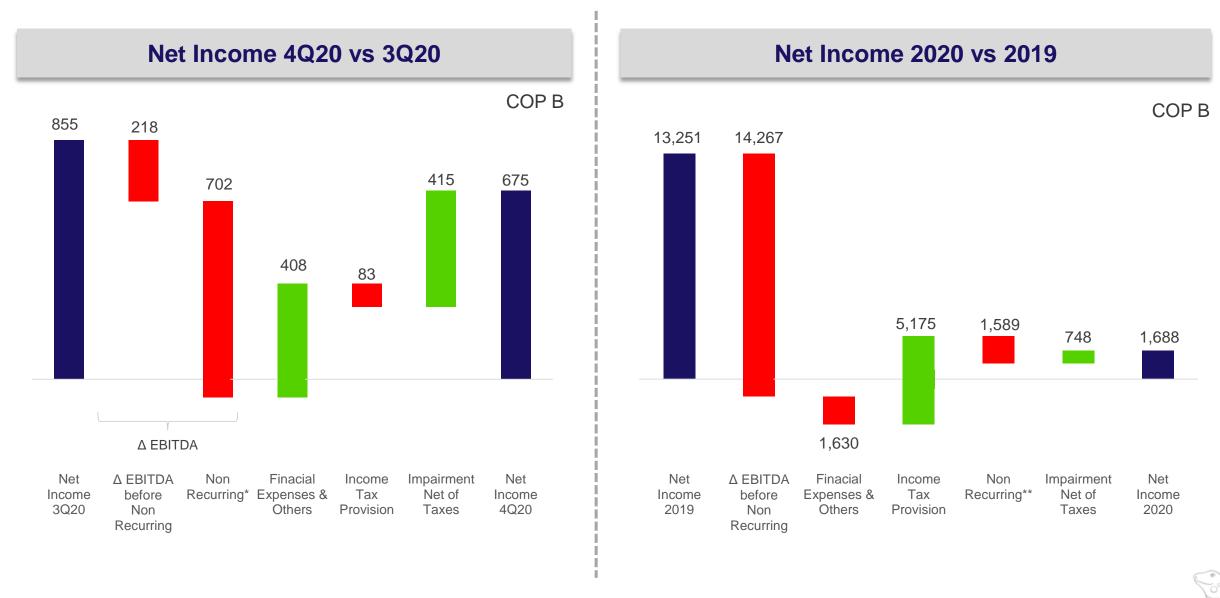




Proven resilience amidst challenging conditions



Fourth quarter results are rising, net of non-recurring events

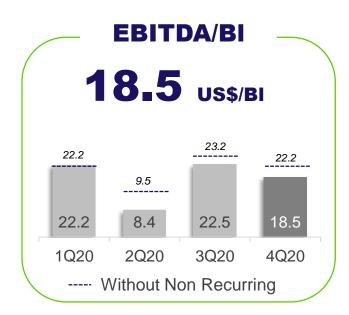


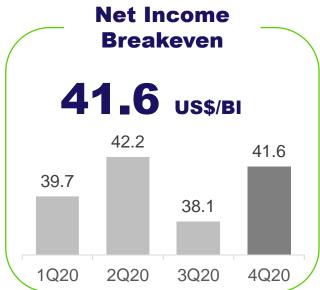
^{*} Non-Recurring (after taxes) includes: Exploration Expenses (COP -312 B), Assets Write Downs (COP -208 B), Labor Expenses (COP -130 B); Others (COP 52 B).

^{**} Non-Recurring (after taxes) includes: Deferred Tax USA 2019 (COP -1,544 B), Invercolsa 2019 (COP -1,049 B), Guajira Asset and Bioenergy (COP 1,004 B).

Solid financial indicators after the crisis



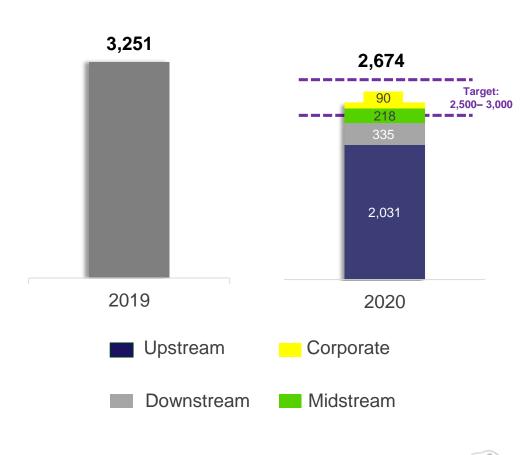




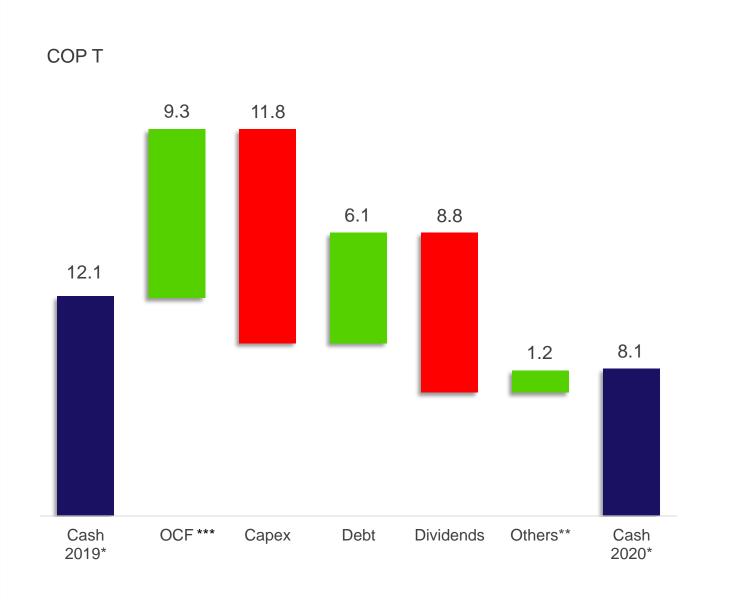


Organic investment within the target

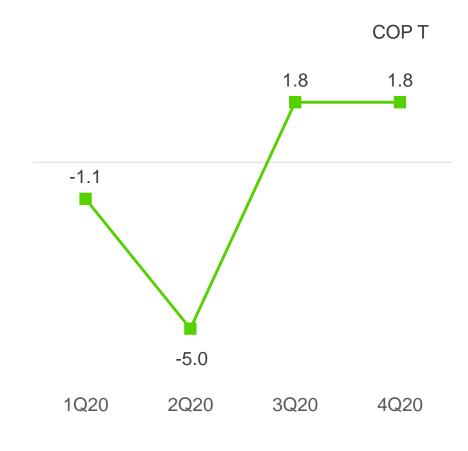
US\$ M



Robust cash position with stable trend



Changing trend in Free Cash Flow







Organic plan responds to market conditions and maintains value proposition

METRICS

2021

US\$ 3,500 - 4,000 M

US\$ 3,500 - 5,000 M

2021-2023

US\$ 12,000 - 15,000 M

US\$ 14,000 - 16,000 M





Increases competitiveness



Cement energy transition



Organic Investment **Operating Cash Flow EBITDA Margin** Gross Debt/Ebitda

Production (mboed) Exploratory wells Transported Volume (mbd) Throughput (mbd)

35% - 38% < 2.5x~700-710 ~700 - 750 ~40 >1,000 ~340 - 365 ~340 - 420



US\$ 600 M 2021-2023

Innovation and Technology Investment

> **US\$ 100 - 150 M** 2021-2023

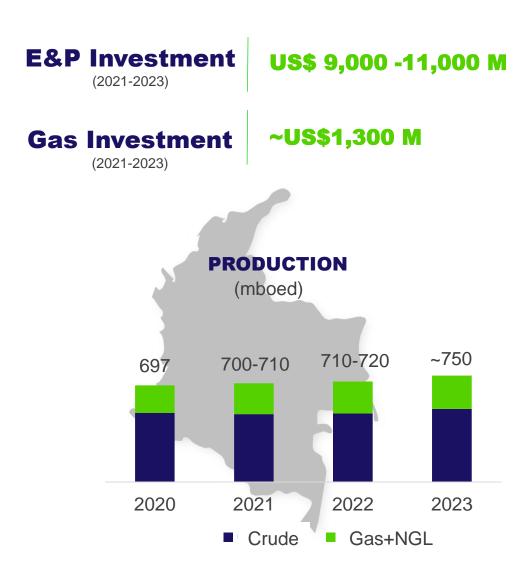
Social and environmental Investment

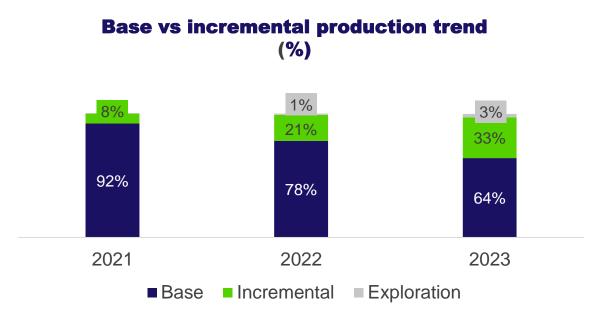
> **COP\$ 1.7 B** by 2024

2021 2022 2023 BRENT (US\$/B) 45 50 54

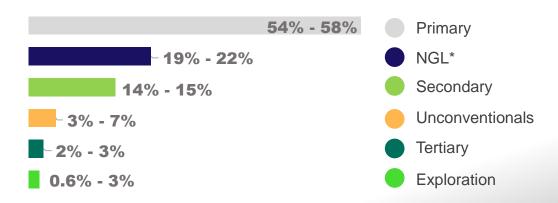


Focus on growth and addition of production and reserves competitive at ≤ US\$ 45 - 50/bl

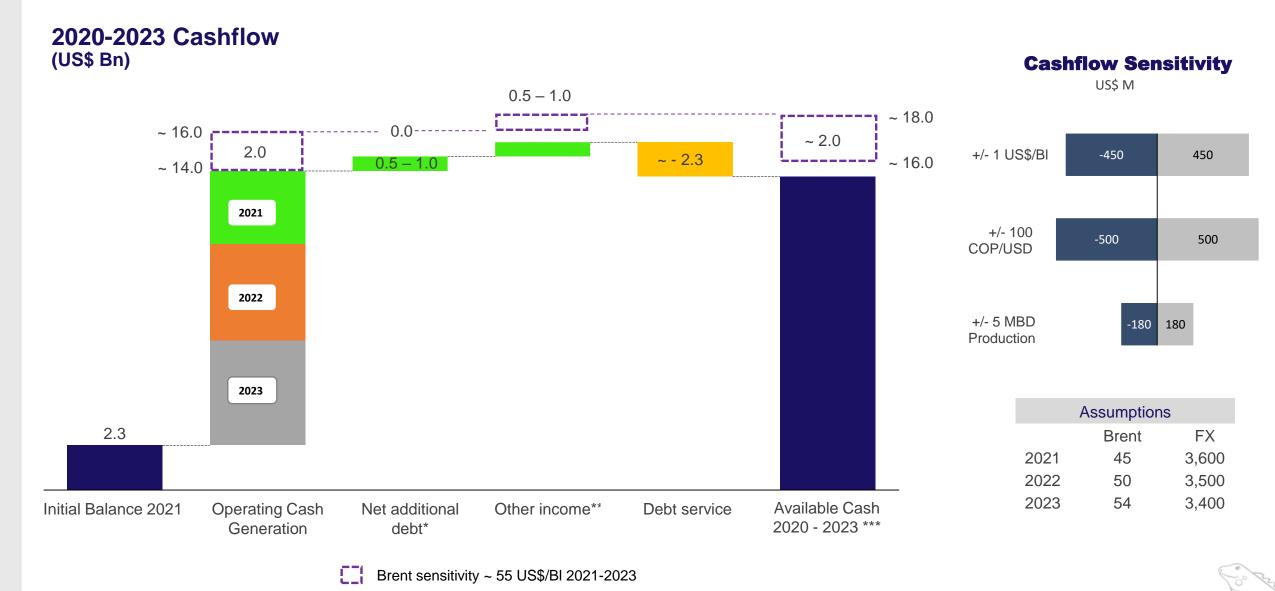




Percentage share in production volumes 2021-2023



Growing operating cash generation underpins the business plan



We increased our TESG ambitions

Award **SOLAR PARKS 45 MW**

Adopt SCM World Economic Forum

VARIABLE COMPENSATION linked to **TESG** targets



Launch **TESG STRATEGY**



RENEWABLE ENERGY 400 MW portfolio

CUMULATIVE EMISSION REDUCTION of 3.0 MtCO2e

20% CO2e reduction by 2030



Join World Bank initiative of "Zero Routine Flaring by 2030" **2021 - 2023 INVESTMENTS**

DECARBONIZATION

~600

WATER

120 - 130

DIGITAL STRATEGY

US\$ M

100 – 150

FUELS QUALITY

19

US\$ M

70 - 80

INNOVATION AND TECHNOLOGY

Benefits of US\$ 39 M in 2020

Strategic Alliances: iNNpulsa, Ecopetrol &

Microsoft Plug and Play MinCiencias

REPORTING AND **DISCLOSURE**









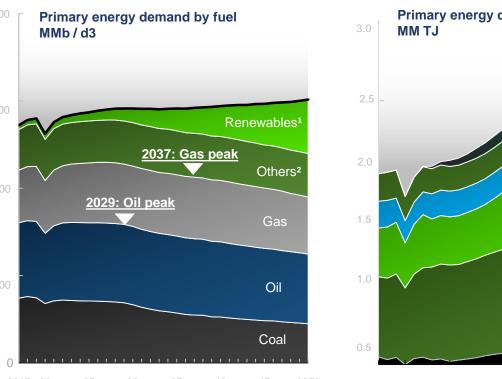


*Stakeholder Capitalism Metrics

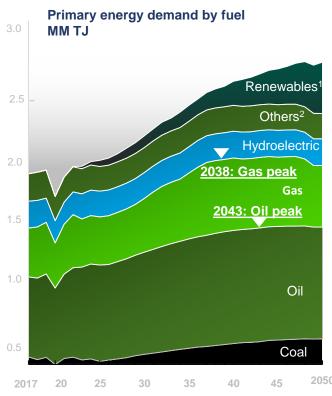


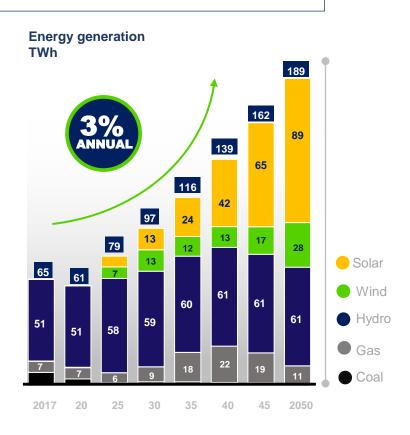
The energy transition comes with challenges and opportunities





Colombia View





1 Renewables includes wind and solar; 2 Others include biomass, hydroelectric and nuclear; 3 Conversion is an approximation: 1 mmTJ is 0.467 MMb / d Source: Ecopetrol based on Mckinsey Energy Insights, October 2020.











Ecopetrol defined 4 axes to respond to energy transition









O&G PORTFOLIO COMPETITIVE DEVELOPMENT

1st Horizon

Early 2020s

Increase resilience of core portfolio and diversify to existing businesses resilient to energy transition

- ISA / Transmission
- Gas Strategy
- Renewable self-supply
- Decarbonization agenda

2nd Horizon

Late 2020s

Capture business opportunities in emerging value pools

- Renewable
- Green hydrogen
- Carbon capture
- Nature-based solutions

3rd Horizon

Post 2030

Businesses in emerging technologies

- Energy services
- Advanced materials

ISA is a profitable, unique, regional energy infrastructure platform with attractive growth prospects

ENERGY TRANSITION

GROWTH

IMPROVES RISK PROFILE



Strategic position in the energy value chain



Potential growth in EBITDA CAGR: 15% 2014-2019



Regulated and long term concession revenues provide stable and predictable cash flow



Transmission grid will play a key role in the future: provide system stability, connect with new renewable sources



Attractive growth prospects in power transmission and road concession businesses



Better resiliency to oil price volatility



Presence in markets with stable regulatory framework



Low emission business



Materiality: ISA EBITDA represents ~27%* of GE EBITDA as of 3Q20



Transmission has similar characteristics to Ecopetrol Group midstream assets



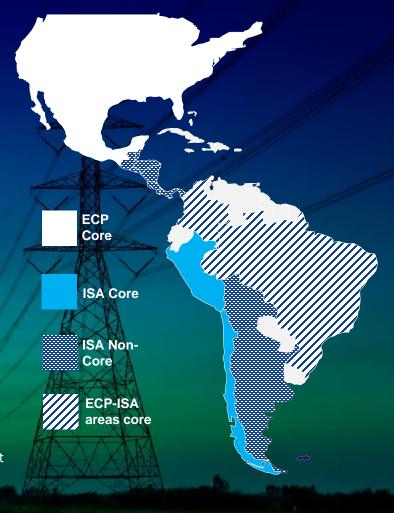
Scale vs oppotunities in renewables in Colombia



Attractive combined ROACE (ECP + ISA)



Diversified infrastructure platform by country and asset class



Financial structure creates value and leverages stability

PROFORMA Post transaction Gross Debt/EBITDA*** (times) 2.8 2.5 Float: ~US\$ 2.7 B → ~US\$ 5.4 B (improves 2.4 2.0 2020 2021 2022 2023 **Credit Positive/Neutral** Investors looking for higher returns Rating agencies given low interest rates environment ~US\$ 1.5 - 2.5 B ~US\$ 1.0 - 2.5 B ~25 bps spread compression vs Treasures (10Y) since NBO announcement

2020: largest equity issuance on

record ~US\$ 530 B**

New sources of capital

Accretive*

EPS: Incremental 2021+

liquidity and stock support)

Market liquidity

^{***} Gross Debt /EBITDA assumption: Brent price 50 US\$/BI in 2021 and US\$ 1.7 B debt. ASSUMPTIONS MAY VARY SIGNIFICANTLY VS FINAL CONDITIONS OF THE POTENTIAL TRANSACTION.

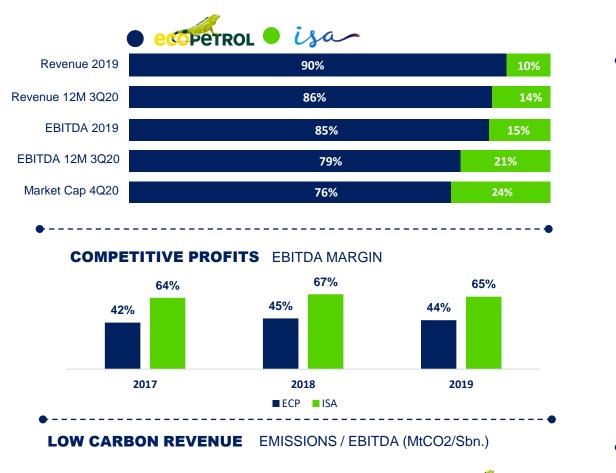


^{*} Under current market conditions - Projections assume business performance "as is"

^{**} Source: Dealogic.

A more robust GE with greater capacity to generate value

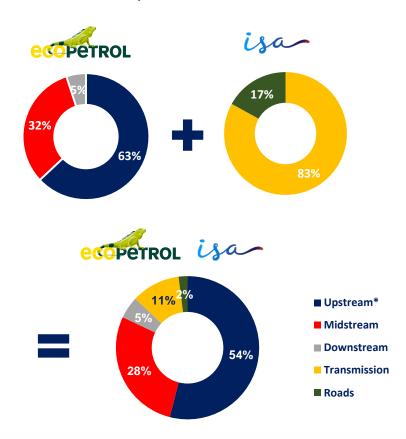
SCALE AND MATERIALITY CONTRIBUTION ANALYSIS





STABLE CASH FLOWS ARE INCORPORATED WITHOUT REDUCING EXPOSURE TO BRENT

EBITDA per Line of Business



^{*}In 2019 $^{\circ}$ 9% of EBITDA is attributable to gas. In 2020 this percentage rises to $^{\circ}$ 31%. Source: Ecopetrol calculations based on public information as of Dec/2019.

In summary

 2020 Results demonstrate resiliency and competitiveness

21-23 ORGANIC PLAN:

- EBITDA, production and reserves growth
- ~US\$ 4-5 B/Year investments, self-funded
- ♦ Higher prices provide upside vs US\$ 45-50 /BI Plan

ISA: TRANSFORMATIONAL OPPORTUNITY

Energy transition, growth, improved risk profile





Q&A PARTICIPANTS



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Pedro ManriqueCommercial and Marketing VP



Fernan Bejarano Legal VP





GLOSSARY

Acronym	Definition
Bl	Barrel
Bn	Thousand of million
bped	Barrels of oil equivalent per day
COP	Colombian pesos
ESG	Environmental, Social and Governance
GEE	Business Group
JV	Joint Venture
kbd	Thousand of barrels per day
kbped	Thousand of barrels of oil equivalent per day
KTON	Thousand of tons
Mbtu	Million de BTU
mmbd	Million barrels per day
mmbl	Million barrels
MtCO2e	Million Metric tons of Carbon Dioxide equivalent
ROACE	Return on Average Capital Employed: Operating income after tax / Capital Employed. Calculated in pesos
Tn	Million of million
USD	US dollar
USD Bn	Billion US dollar
USD M	Million US dollar